

Application No.: 10/771040

Docket No.: UC0210USNA

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REMARKS

The above amendments and the below remarks are responsive to the Office Action, dated October 31, 2005, entered in the above referenced pending application. A summary of the amendments to the specification and claims is provided below.

The Specification

The specification was amended to recite the claim of priority to the provisionally filed application directly within the specification. No new matter is introduced.

The Claims

The pending claims are 1-14. Claims 15, 16, and 17 have been canceled.

Claim Objections

Claims 15, 16, and 17 were objected to as being substantial duplicates of Claims 1, 13, and 14, respectively. Applicants respectfully submit that these objections have been overcome by the amendments herein, where Claims 5, 16, and 17 have been canceled.

Rejection under 35 U.S.C. § 102(a)

Claims 1-17 were rejected under 35 U.S.C. § 102(b) as being anticipated by Chen et al., U.S. Patent No. 5,998,045 ("*Chen*"). Applicants respectfully traverse this rejection.

Chen discloses light-emitting compositions comprising a copolymer of anthracene and fluorene. The anthracene and fluorene are optionally substituted. There can be a third component selected from monomers for lowering the operating voltage such as triarylamine, arylsulfones and aryl ethers; hole-transporting monomers such as N-substituted carbazoles and amino benzaldehyde hydrazones; and electron-deficient monomers such as aryls sulfones, aryl sulfoxide, fluorinated aryls, biphenyls, diaryl phosphine oxides, benzophenones, and electron-deficient heterocyclic compounds. (*see* column 2, lines 24-49) However, *Chen* does not teach or suggest that there should be two different substituents. The copolymers in the examples of *Chen* have only two of the same substituent (hexyl) on the fluorene, while comonomers anthracene, triphenylamine, and diphenylsulfone are unsubstituted. *Chen* does not teach or suggest that the polymer has at least a first substituent and a second substituent and that the substituents are different, as recited in Applicants' independent Claims 1, 13, and 14. Thus, Applicants believe that pending Claims 1-17 are novel and non-obvious and should be allowed.

Applicants respectfully request that this rejection be withdrawn.

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Rejection under 35 U.S.C. § 101

Claims 1-2, 4, 7 and 9-17 were rejected under 35 U.S.C. § 101 as claiming the same invention as that of claims 1-2, 6-9, 13, and 15-17 of copending Application No. 10/771,045 ("045"). Applicants respectfully traverse this rejection.

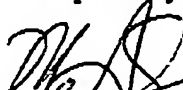
The '045 application relates to copolymers having first monomeric units comprising an aromatic group with at least one substituent, and a second monomeric units which are multifunctional. Applicant can find no recitation of two different substituents in the '045 claims. In Claim 1 of '045, the multifunctional second monomeric unit is a triaryl amine, with no mention of substituents. Each of the aryl groups forms a part of the polymer chain. In Claim 6 of '045, the second monomeric unit is selected from the specific units listed, none of which is substituted. In Claim 14 of '045, the aromatic group of the first monomeric unit is a dialkylfluorene. There is no limitation that the two alkyl groups be different. All other claims are dependent on Claim 1 or 6 and do not address substituents.

Applicants respectfully request that this rejection be withdrawn.

Conclusion

In view of the foregoing amendments and remarks, Applicants submit that the above referenced pending application is in condition for allowance. A Notice of Allowance for Claims 1-14 is therefore earnestly solicited.

Respectfully submitted,



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